

**INTEGRATED PRESSURE SENSOR AND  
CARBON CANISTER PURGE VALVE FOR VEHICLE ENGINE**

**ABSTRACT OF THE DISCLOSURE**

An integrated space-saving purge valve/pressure sensor assembly includes a purge valve connectable between a carbon canister and an engine intake that opens when the engine is running at speed and temperature to purge fuel vapor trapped in the canister. A pressure sensor is mounted on the valve housing and communicates with the interior of the housing through an orifice, such that the signal from the sensor represents the pressure in the purge system. The signal can be sent to the engine control module (ECM) for further processing.